Menlo Park Notebook #60 [N-80-10-25]

This notebook covers the period October-November 1880. It contains drawings by Edison for patent applications and caveats, along with drafts by Edison of two caveats. The subjects include carbon lamps, sockets, meters, and dynamos. The name of Charles Batchelor appears frequently as a witness. The label on the front cover is marked "Sketches for Patents" and "Edison." The book contains 64 numbered pages. The left-hand pages are unnumbered.

Blank pages not filmed: 64.

No 60

BURNTON'S
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[illegible] Library
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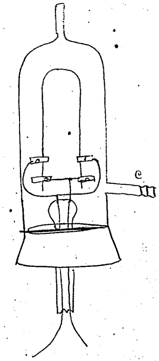
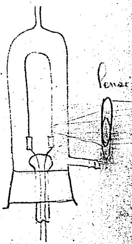
May, 189

Patent Oct 25 1880.

T.A.E.
Chas Batchelor



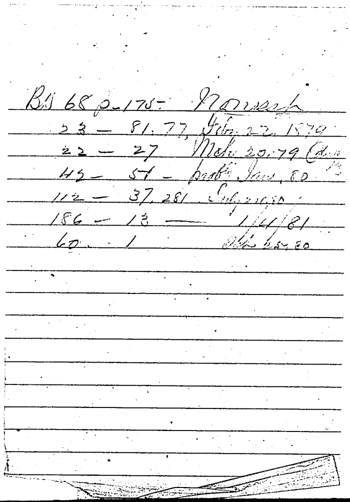
Chlorine first
then a volatile parafin.



Using a heliostat, or the arc

Jar may be put on at lower End + focus put on it --

[ITEM FOUND IN BOOK]



Bd 68 p-175 Norwich

23 — 81.77, Feb. 22. 1879

22 — 27 Mch 20.79 Co[illegible]

45 — 57 — publ. Jan. 80

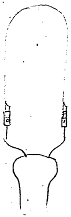
112 — 37.281 Sep. 20.80

186 — 13 — 1/4/81

60 - 1 Oct. 25. 80

Caveat

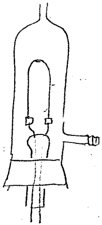
Oct 25 1880
TAE
Chas Batchelor



Carbonized straight
then bent

Caveat

Oct 25 1880
T.A.E
Chas Batchelor

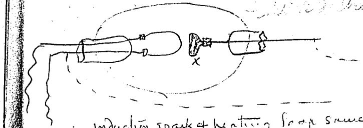


platina - nickel Cobalt or other infusible metal brought to incandescence in a Carbon Vapor. & Carbon deposited. it is then stripped off or it may be loosened by Eating the metal -

Caveat

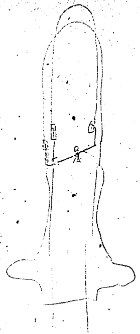
Oct. 25, 80

[illegible]



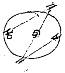
induction spark & heating loop same time - vapor of volatile paraffine in tube or Carbon X soaked in tar - Electrical Carrying Coats Carbon

Carbonize under pressure -

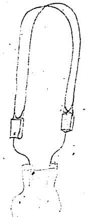


Oct 26 1880
TAE
Chas Batchelor

Patent

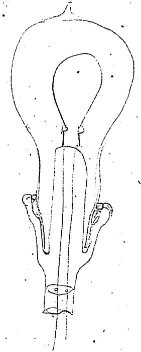


Oct 26 1880
TAE
Chas Batchelor



patent

Oct 29 1880
TAE
Chas Batchelor

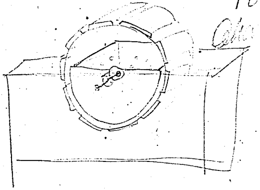


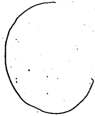
Patent

Oct 29 1880,

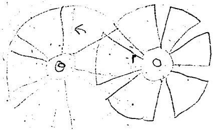
TAE

Chas Batchelor



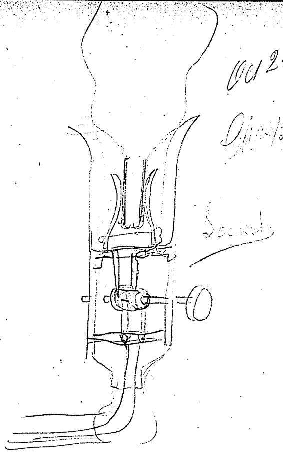


Oct 30 1880
TAE
Chas Batchelor
Meter



Oct 25 1880

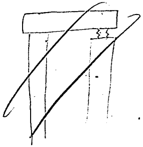
Chas Batchelor

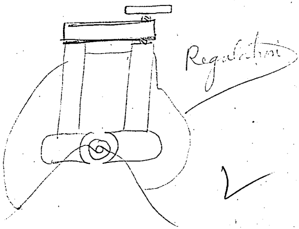


Oct 30 1880

TAE

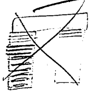
Chas Batchelor



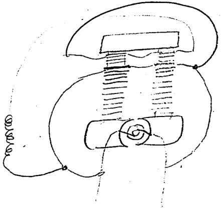

Regulation

✓

Oct 30 1880 TAE



Chas Batchelor

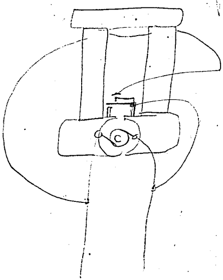


Regulation

✓

Oct 30 1880

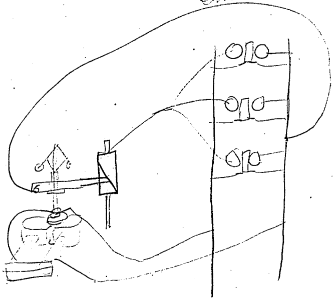
TAE
Chas Batchelor



Regulatg field

✓

Oct 30. 1880 TAE
Chas Batchelor

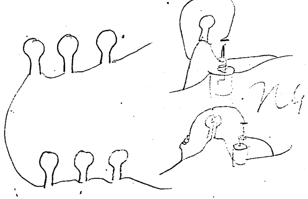


Regulation

✓

Oct 30 1880

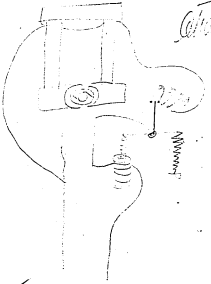
TAE
Chas Batchelor



Oct 31 1880

TAE

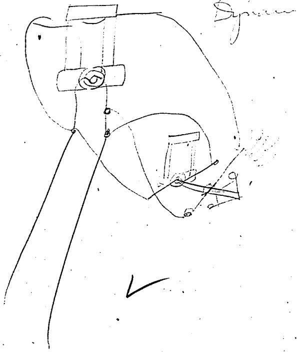
Chas Batchelor



✓

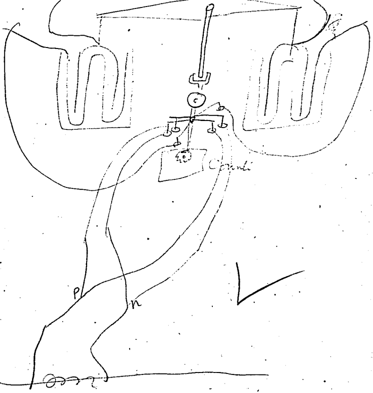
Oct 31 1880 TAE

Transmitting Dynamo
Chas Batchelor



Oct 31 1880

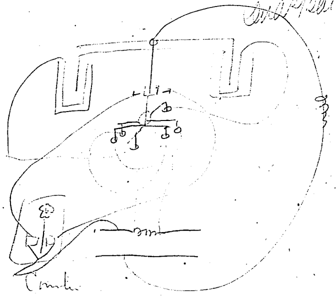
TAE
Chas Batchelor



Oct 31 1880

TAE

Chas Batchelor

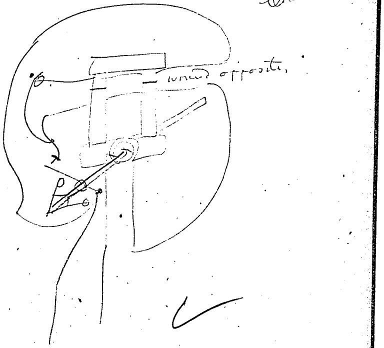


Oct 31 1880

Motor

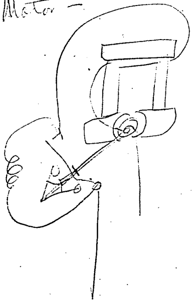
TAE

Chas Batchelor


wound opposite,

Oct 31 1880

Motor –

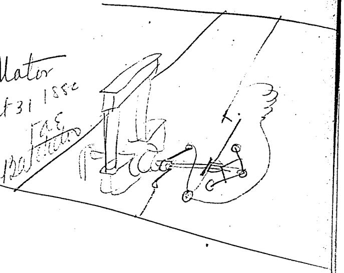


T.A.E.

Chas Batchelo

Motor

Oct 31 1880



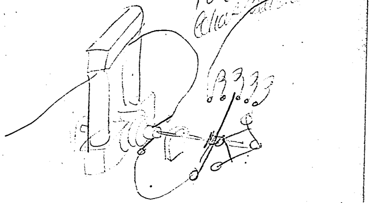
TAE

Chas Batchelor

Motor Oct 31 1880

TAE

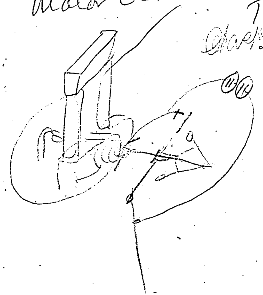
Chas Batchelor



Motor Oct 31 1880

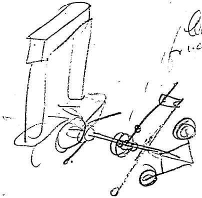
TAE

Chas Batchelor



Motor Oct 31 1880

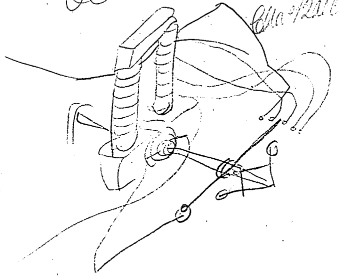
TAE
Chas Batchelor



Motor

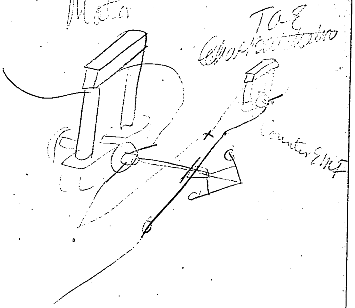
Oct 31 1880 TAE

Chas Batchelor



Cutting in & out field magnet wire by governor

Oct 31 1880

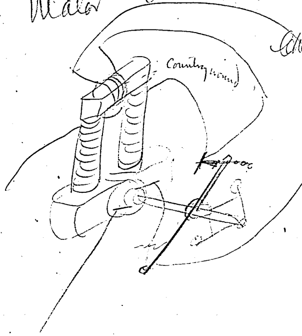

Motor
Counter EMF

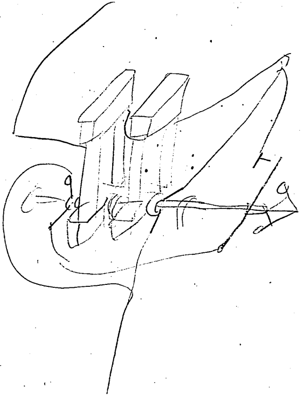
TAE
Chas Batchelor

Motor Oct 31 1880

TAE

Chas Batchelor


Counterwound
K 2000



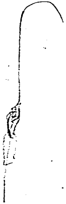
Motor-^Govor throws one or 2 machins
in —

Oct 31 1880

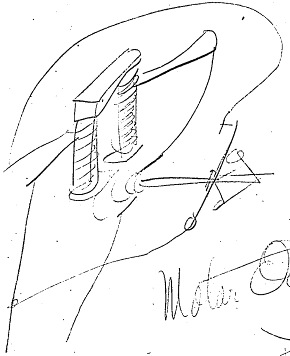
TAE

Chas Batchelor

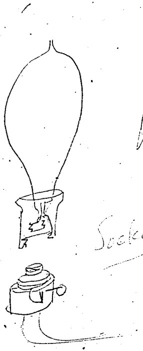
Oct 31 1880


glass on one side
nickel to Carbon

T A Edison
Chas Batchelor



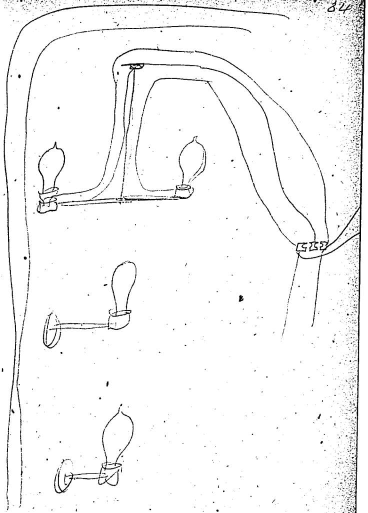
Motor Oct 31
1880
TAE
Chas Batchelor



Oct 31 1880

TAE

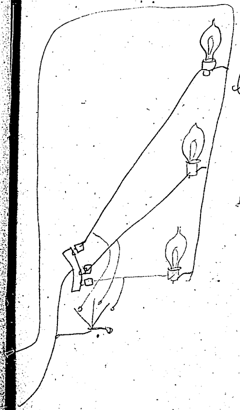
Socket Chas Batchelor



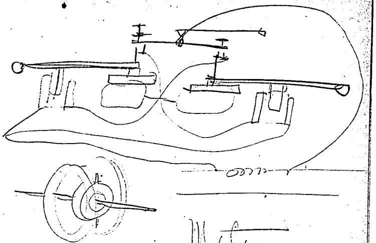
Oct 31 1880

TAE

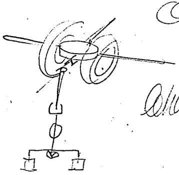
Chas Batchelor



Lighting Each one at switch or all at once,



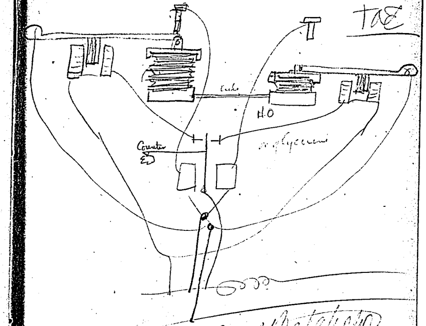
Motor
Oct 31 1880



TAE
Chas Batchelor

Meter Oct 31 1880

TAE

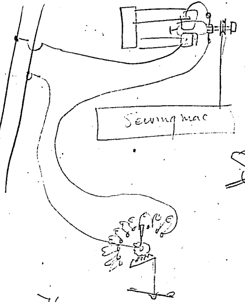

Leads
H O
Counter E
or glycerine

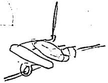
Chas Batchelor

Oct 21 1880

TAE
Chas Batchelor

Sewing Machine Motor

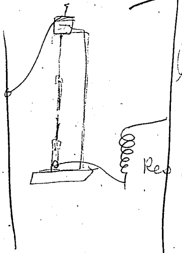




The pedal Regulating speed by Resistance or it may Regulate the Governor

Oct 31 1880 TAE

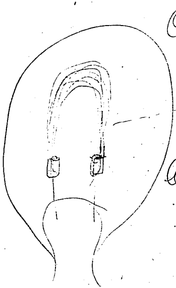
Chas Batchelor



Res in arc light

to prevent disturbing other lights =

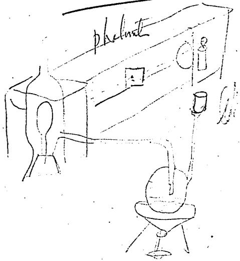
Oct 31 1880
TAE



Very fine fibre Carbonized

Chas Batchelor

Oct 31 1880 TAE



Chas Batchelor

Oct 31 1880 — TAE

For isolated Engines and Dynamos
such as used for boats I prepare
to Carry out the idea of
Putting the field magnet in
Multiple arc, and so arranging
the wire of Lamps ~~that~~ when
all the lamps are on the
field magnet will still be
nearly Saturated (1C)
The current will still be
Sufficient to nearly saturate
the Magnet to also arrange
it that should the speed
increase ~~but~~ to such an
extent by accident as
to double the light in the
lamps a magnet will open the
circuit of Lamps or field wire

Oct 31 1880

or perhaps I will use
a governor on the dynamo
itself which when the
field is saturated & any
great increase of speed
is attained by acc. cut.
the govr will move a
lever & open the field
magnet

Oct 31 1880 TAE

I propose to make a pulping machine that will pulp paper fibre to extreme fineness & make paper from it & submitting the paper to hydraulic pressure & a flame & Cut Carbons from it & Coat them after Carbonization with a layer of gas Carbon —

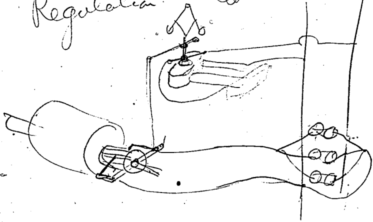
Chas Batchelor

I also propose to Comb the finest flax or hemp fibre longitudinally & moisten with a gummy substance which will be carbonizable & press sheets of this by pressure & afterwards Cut as with Bamboo —

Nov 2 1880 TAE

Regulation

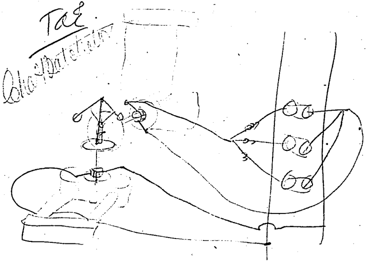
Chas Batchelor



Nov 2 1880

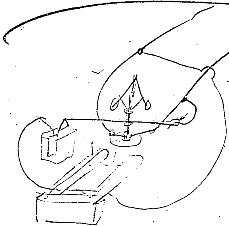
TAE

Chas Batchelor



Regulation

Nov 2/ 1880 TAE

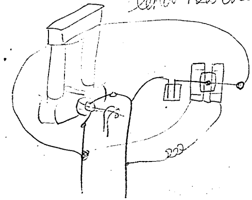


Chas Batchelor

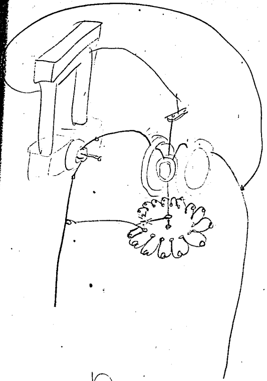
Regulator

✓

Nov 2 1880 TAE
Chas Batchelor



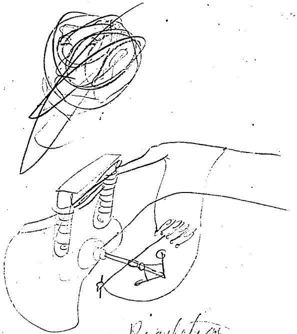
Regulator



Regulation Nov 2 1880

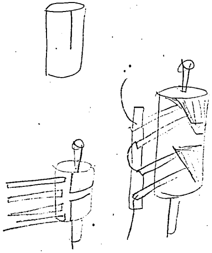
TAE

Chas Batchelor



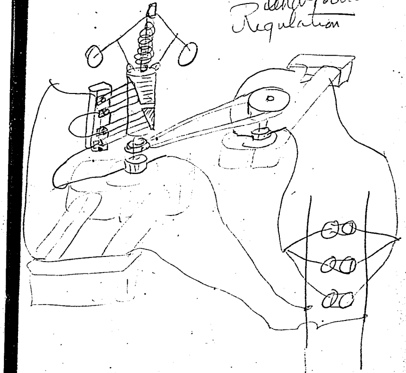
Regulation

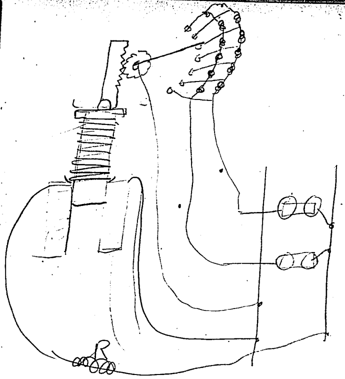
Nov 2. 1880 TAE
Chas Batchelor



Nov 2 1880 TAE
Chas Batchelor

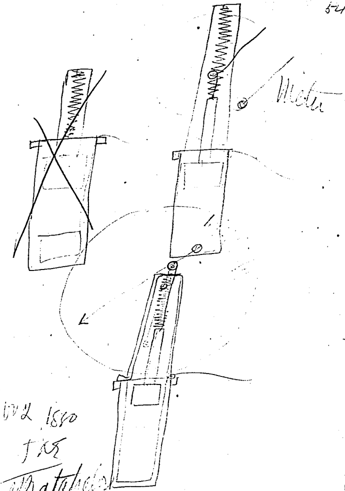
Regulation





Regulation
Nov 2 1880

✓ T.A.E.
Chas Batchelor



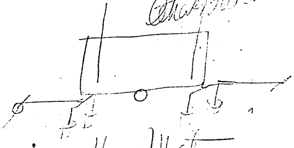
Nov 2 1880

TAE

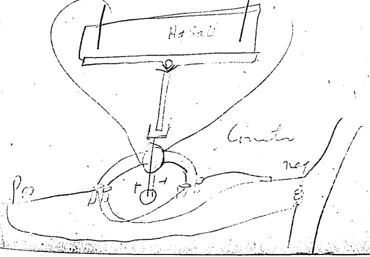
Chas Batchelor

1100 2 [illegible]

Other batteries



Hg-Meter


Hg Salt
Counter
neg
Pos

Tai

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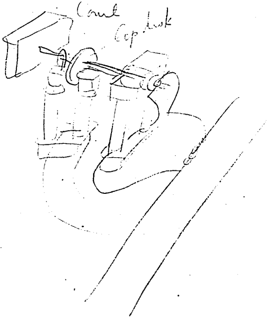

Cond
Cop disk

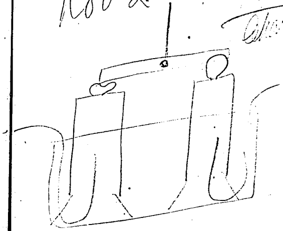
Motor Noiseless

TAE

Chas Batchelor

Nov 2. 1880 TAE

Chas Batchelor



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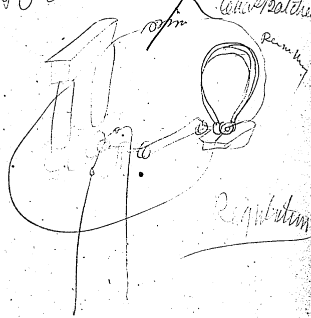
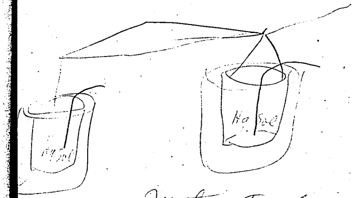
Decomp H_2O to
Iron meter.

Nov 2 1880 TAE

Chas Batchelor


pin
Ream lmy

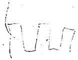
Regulation

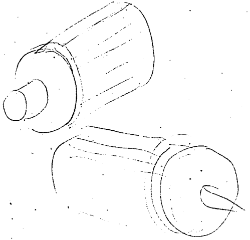

Hg Sol
Hg Sol

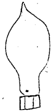
Meter TAE

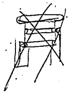
Nov 2 1880

TAE
Chas Batchelor



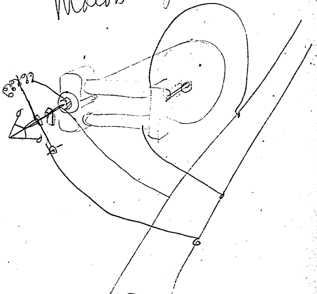


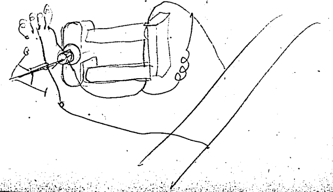




Nov 4 1880 TAE
Chas Batchelor

Motors Regulation





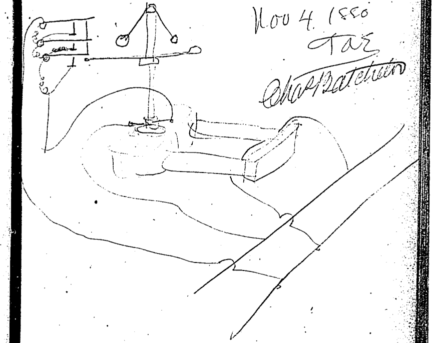
Regulation of Water

TAE

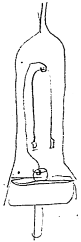
Nov 4. 1880

TAE

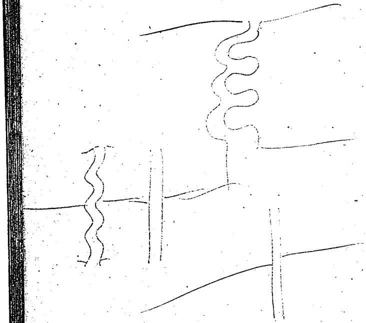
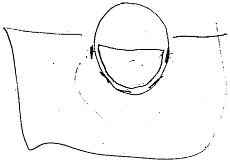
Chas Batchelor



Nov 4 1880



T.A.E.
Chas Batchelor

binders of Clamps